

fiong is composed are consolidating, and then pressing the fiong while hot and in the act of consolidating upon the form so as to take an impression of same, substantially as and for the purpose hereinbefore described.

2. The process of producing matrices or molds for stereotyping which consists first in partially drying the moist fiong while it is suspended between a platen and the top of a heating chamber which also constitutes the type bed, secondly in taking the required impression upon the partially dried fiong while hot between a form on said type bed and said platen, and thirdly in drying the resulting matrix or mold while it is suspended between said platen and the top of said heating chamber, substantially as and for the purpose set forth.

3. In apparatus for producing matrices or molds for stereotyping, a platen movable up and down and carrying a fiong, in combination with a type bed below said platen and carrying a form of type opposite to the platen, and a heating chamber beneath said type bed, having outlet openings at top, and supplying an upward current of heated air to dry said fiong, whereby when carried by said platen said fiong is surrounded by a rising current of heated air throughout its manipulations, substantially as and for the purpose hereinbefore described.

4. In an apparatus for producing matrices or molds for stereotyping, a platen, in combination with a heating chamber opposite said platen, the top of which chamber constitutes the type bed, said chamber having transverse flues for the hot air, vertical side passages, and openings in top of said chamber, whereby the hot air escapes by said openings, substantially as and for the purpose hereinbefore described.

5. In an apparatus for producing matrices or molds for stereotyping a platen in combination with a heating chamber having transverse flues, vertical side passages and top openings for the passage of hot air as set forth,

and shutters whereby the flow or passage of the hot air can be regulated, substantially as hereinbefore described.

6. In apparatus for producing matrices or molds for stereotyping, the combination with a platen adapted to be brought down toward the form of type, and a bed beneath said platen of guides on the under side of said platen adapted to receive a holder containing the fiong to be impressed, substantially as and for the purpose hereinbefore described.

7. In apparatus for producing matrices or molds for stereotyping, the combination with a platen adapted to be brought down toward the form of type, and a bed beneath the platen of spring arms on the under side of said platen, and guides carried by said arms and adapted to receive a holder containing the fiong to be impressed, whereby when the platen is brought down to produce the impression the guides somewhat yield, and when the platen is again lifted the guides together with the fiong and its holder are moved out of contact with the blanket and platen, substantially as and for the purpose hereinbefore described.

8. The combination of a heating chamber the top of which constitutes a type bed, hot air outlets *j j* in top of said chamber, a frame *D* adapted to hold a fiong, guides *C C* to receive the sides of said frame, a platen *u* carrying said guides, and means for lowering and raising said platen whereby a fiong held in said frame when in said guides can be forced down upon a form placed on said type bed to take an impression of said form and be then raised clear of said form while still held in said frame in said guides.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

GEORGE EASTWOOD.

Witnesses:

EDWARD MACKAY YOUNG,
ASHER EMANUEL SAMAN.